



Yorkshire Philosophical Society.

A N N U A L R E P O R T

FOR

MDCCCXLIX.



ANNUAL REPORT
OF THE COUNCIL
OF THE
YORKSHIRE
PHILOSOPHICAL SOCIETY
FOR
MDCCCXLIX.

PRESENTED TO THE ANNUAL MEETING

FEBRUARY 5, 1850.



YORK:
H. SOTHERAN, CONEYSTREET.
—
1850.

TRUSTEES
OF
THE YORKSHIRE MUSEUM,

APPOINTED BY THE ROYAL GRANT.

CHARLES WILLIAM, EARL FITZWILLIAM.

THOMAS PHILIP, EARL DE GREY.

HON. AND VERY REV. HENRY HOWARD, D. D.

SIR WILLIAM LAWSON, BART., F. S. A.

FRANCIS CHOLMELEY, ESQ., F. S. A.

ROBERT DENISON, ESQ.

REV. WILLIAM VERNON HARCOURT, F. R. S.

RICHARD JOHN THOMPSON, ESQ.

PATRONESSES
OF THE
Yorkshire Philosophical Society.

HER MAJESTY THE QUEEN.

H. R. H. THE DUCHESS OF KENT.

PATRONS.

THE ARCHBISHOP OF YORK.

DUKE OF NORTHUMBERLAND, F. R. S.

EARL OF CARLISLE, F. R. S.

EARL FITZWILLIAM, F. R. S.

EARL OF TYRCONNEL, F. R. S.

LORD FEVERSHAM.

LORD WENLOCK.

OFFICERS OF THE SOCIETY, 1850.

PRESIDENT:

EARL FITZWILLIAM.

VICE-PRESIDENTS:

WILLIAM GRAY, F. G. S.

REV. WILLIAM VERNON HARCOURT, F. R. S.

HON. AND REV. S. W. LAWLEY.

ANDREW LAWSON.

W. M. E. MILNER, M. P.

JOHN PHILLIPS, F. R. S.

WILLIAM RUDSTON READ, F. Z. S.

REV. CHARLES WELLBELOVED.

TREASURER:

THOMAS MEYNELL, JUN., F. L. S.

COUNCIL:

Elected 1847.....GEORGE DODSWORTH.

Elected 1848.....GEORGE GOLDIE, M. D.

EDWARD HAILSTONE, F. S. A.

REV. ROBERT BRYAN COOKE, F. G. S.

Elected 1849.....OSWALD ALLEN MOORE.

REV. THOMAS MYERS.

THOMAS PRICE.

HENRY ROBINSON.

Elected 1850.....ROBERT H. ANDERSON.

REV. JOHN KENRICK.

W. L. NEWMAN, F. R. Ast. S.

J. P. PRITCHETT.

SECRETARIES:

THOMAS MEYNELL, JUN., F. L. S.

THOMAS HENRY TRAVIS.

KEEPER OF THE MUSEUM :

EDWARD CHARLESWORTH, F. G. S.

HONORARY CURATORS :

ANTIQUITIES	REV. C. WELLBELOVED.
BOTANY	
COMPARATIVE ANATOMY . . .	THOMAS ALLIS.
LABORATORY	T. H. BARKER.
LIBRARY	DR. GOLDIE.
METEOROLOGY	JOHN FORD.
OBSERVATORY	W. L. NEWMAN, F. R. Ast. S.

SUB-CURATOR OF THE MUSEUM & GARDENS :

HENRY BAINES.

REPORT OF THE COUNCIL

TO THE

Annual Meeting.

IN reviewing the occurrences of the past year, that are calculated to affect this Society, the Council are glad to be able to notice many of a very gratifying nature ; gratifying, because, while they shew a steady progress in carrying out the objects of the Institution, they exhibit likewise a zeal and munificence on the part of some of our members, that not only indicate how deeply and justly those objects are appreciated *now*, but also afford us the best assurance of the permanence of our prosperity.

In the last Report, the Council alluded to certain contemplated alterations near the entrance of the Museum Gardens, consequent upon the acquisition by the Society of the house adjoining the Museum Gates, and their having become the tenants of the garden formerly occupied by Miss Yorke. These alterations were completed during the spring of the past year, but from the difficulty that attended the taking down and removal of the gateway and other buildings, and the great variation in the levels of the different portions of ground, an amount of labour, exceeding what had been anticipated, was necessarily expended. The total cost of these alterations, including sods, shrubs, gravel, labour and mason's work, was £133. 4s. 11d., but from this must hereafter be deducted the value of the stones, (which formed the Propylæum and Lodge,) which still remain in the Society's hands, no eligible opportunity of disposing of them having occurred.

This expense, though heavy, the Council feel assured will not be thought too great for the completion of, what they conceive to have been justly estimated as, a most desirable and effective improvement.

The only other item of extraordinary expense the Council have to notice, is one of £128 17s. 2d. for cases required in fitting up the room in the Museum dedicated to "*The Rudstone Collection of British Birds*," towards which the Society are indebted to William Rudston Read, Esq., for a very liberal contribution of 50 guineas, thus enhancing the value of his former munificent donation of the collection itself.

Three associations of a scientific character, which have been formed in York during the past year, call for especial notice on the part of the Council, aiming, as they do, at co-operation with this Society, though wholly supported by independent funds. One of these, the "Yorkshire Naturalists' Club," originated in the wish to bring into more general communication with one another the working naturalists of the whole County of York. This Club holds periodical meetings for the exhibition of specimens, and for the discussion of subjects relating to the Natural-History of the county, and the funds at the disposal of the Committee are in part applied to the purchase of desiderata for the different Museums of Yorkshire, that of York taking precedence as the County Museum.

A second association has been established in York, under the denomination of the "Yorkshire Antiquarian Club," which binds itself by its first rule to have no private collection, but to deposit the specimens, given to or discovered by it, in the Museum of the Yorkshire Philosophical Society; it being the principal object of the Club to make researches by opening barrows and other earth-works, and examining any of the remains of antiquity so abundantly spread over various parts of the County.

The third, under the denomination of the "British Natural-History Society," though not confining its investigations to this County, still, from its having originated with The Keeper of this Society's Museum, and from the benefits which it is likely to confer not only on the Yorkshire Philosophical Society, but on

Natural-History generally, claims, in a high degree, the support of this Society. One object of the above Society is to employ competent collectors in such districts as are known to be rich in natural productions, either recent or fossil, and to distribute the Collections, thus accumulated, amongst individuals or public institutions, who have promoted the undertaking; it being a part of the plan, that one specimen, at least, of each species, shall be the property of this Society, and be deposited in our Museum, thereby securing the preservation of one complete series of all the objects which may be discovered. The Natural-History Society has commenced its labours by collecting Tertiary Fossils of the Isle of Wight and adjacent Cliffs of Hordwell and Barton. From these sources a vast number of valuable specimens has been obtained, more than 20,000 of which have already been distributed amongst its members.

To this Society the Museum is indebted for an interesting series of Tertiary Fossils, which forms the most valuable addition to the Geological Collection during the past year. It includes more than 50 species, either quite new or unfigured in any British Work; many of these are accompanied by beautiful and accurate drawings, executed, under Mr. Charlesworth's direction, by Mr. Smith, an artist, whose merits as a delineator of objects of Natural-History, are well known to the Members of this Society.

Another valuable acquisition in this department is a tooth of the *Megalosaurus* from the Malton Oolite, presented by Dr. Murray, of Scarborough. This tooth is not only unique as a Yorkshire Fossil, but in regard to size and the extent of fang preserved, is the most characteristic specimen known. Another Reptilian Tooth, less rare than the foregoing, but equally fine of its kind, belonging to the genus *Polyptichodon*, also from the Malton Oolite, has been presented by the Rev. William Walker, of Slingsby, who liberally allowed The Keeper of the Museum to select, from his cabinet of Malton Fossils, all such specimens as were considered likely to be of value to the Geological Collection, including much finer examples of several species than were previously in the possession of the Society. From the Yorkshire Naturalists' Club has been received a Starfish from

the Calcareous Grit, near Pickering, remarkable for having one less than the usual number of rays. From the same source several interesting additions have also been made to the Bridlington Fossils.

In the Ornithological department, the Council are glad to notice the near completion of the re-arrangement of the general collection, commenced during the year 1848, according to the plan noticed in the last report. The following donations to the collection of British Birds are worthy of particular remark. A beautiful Bustard, (*Otis Mc Queenii*, Gray,) shot in Lincolnshire, and the only instance of the occurrence of the species in Europe, has been presented to the Society by a joint subscription of several of its members, who purchased it for £25, and thus secured to the Museum this unique British specimen. Likewise a Yorkshire killed specimen of Buffon's Skua, a rare visitant of the British coasts, presented by Mr. W. R. Read.

To Henry Telford, Esq., the Society is indebted for a very extraordinary bird, killed in Ayrshire, and supposed to be a hybrid between the Black and the Red Grouse.

The arrangement of "The Rudstone collection of British Birds" will shortly be completed in a manner worthy of the Society's appreciation of so valuable a donation.

In the Conchological Collection may be noticed the addition of another series of American Land and Fresh-water Shells, presented by Mr. Joseph Clarke, of Cincinnati, to whose warm interest in the Society the Council have, on former occasions, had to allude.

F. N. Glossop, Esq., of Isleworth, has forwarded two beautiful examples of the rare *Carinaria Mediterranea*, commonly known as the Glassy Nautilus, and Capt. Edward Dixon, R.N., has presented specimens of *Ianthina*, from the Coast of Africa, accompanied with the Ova and soft parts. An extensive series of shells from the Pacific Coasts, containing many valuable species, has been likewise received from Adam Crawford, Esq., of Rhodes, North Berwick.

The donations to the Antiquarian department have not been very numerous, but some of them are worthy of particular remark. For the most valuable additions the Society is

indebted to the Yorkshire Antiquarian Club, some of the members of that club having obtained permission from Richard Jennings, Esq., to complete the examination of a large tumulus in his possession at Driffild, partially explored by him four or five years ago; on which former occasion he found some very curious Anglo-Saxon remains, and presented them to the Museum.

The result of further excavations by the Antiquarian Club has been the discovery of several similar but still more curious articles of the Anglo-Saxon period, which, added to those previously received from the owner of the tumulus, form a highly interesting and instructive portion of the collections of the Society.

A relic of a period not so remote, but of a very interesting character, has been presented to the Society by the Rev. J. Thompson, Vicar of Easeby: an Epitaph, or rather four Epitaphs on a Mr. J. Swale, in four different Languages, Hebrew, Greek, Latin, and English, written (as it is with great probability conjectured,) by that eminent reformer and translator of the Bible, Miles Coverdale, in the year 1538. The epitaphs are written on a folio sheet of paper, framed in oak, and guarded by a sliding panel of the same material, by which they had been long and effectually concealed. It had been deposited in the Church of Easeby, by whom or when it is not known; and, there, had served as a trencher, on which the Sacramental bread was cut. A copy of the epitaphs is given by Dr. Whitaker in his history of Richmondshire.

The Council have the satisfaction to state that the many valuable services, which have been rendered to the Antiquarian departments of the Museum, by their Curator, will soon be crowned by the completion of an arranged description of the principal remains of Roman and Mediæval art, which are in the possession of the Society. The publication of such a work will be at once honourable to the Society and gratifying to the public.

It will be found, from an examination of the list of donations, that several additions of unusual interest have been made to the collection of stove and hardy plants, in the Society's Hot-

house and Gardens since the last report. Amongst the most valuable of these, the donations of Sir William Jackson Hooker the superintendent, and Mr. Smith the Curator, of the Royal Gardens at Kew, are particularly worthy of notice, as well as those obtained through R. Marnock, Esq., the Curator, from the Royal Botanical-Society's Gardens, Regent's Park.

The Museum Gardens have been recently visited by Dr. Lindley, who expressed himself highly interested in the Society's collection of plants, and has since forwarded to the Sub-Curator 60 valuable additions, with a promise of further co-operation.

The Library has received valuable donations from various learned Societies and private individuals, and some original works have been presented by the authors.

The following is a Meteorological Table for the year 1849, as annually furnished to the Society by the Curator of Meteorology, with his observations thereon.

METEOROLOGICAL REGISTER FOR 1849--YORK.

	Highest.	Lowest.	Mean.	Inches Rain.	Days of more or less rain.	Average Max.	Average Min.	Mean Temp.	Highest Temp.	Lowest Temp.	Nights, at or below 32°	Prevailing Wind.
Jan.	30·35	28·76	29·789	1·61	18	42·8	32·4	37·6	54	18	16	W & N.W
Feb.	30·90	29·27	30·098	0·50	5	47·3	34·4	40·7	53	23	11	W.
Mar.	30·57	29·32	30·037	1·14	11	47·7	34·8	41·2	59	26	11	W.
April	30·41	29·27	29·657	1·95	18	49·4	36·6	43·0	64	27	8	S.E.
May	30·32	29·21	29·907	1·99	14	60·8	44·0	52·4	71	32	1	N.E.
June	30·34	29·66	29·956	1·06	8	64·1	46·6	55·4	73	32	1	SE & NE
July.	30·48	29·34	29·843	3·29	15	67·8	50·7	59·3	82	44	0	W.
Aug.	30·35	29·43	29·898	2·25	11	66·2	51·7	58·9	74	43	0	S.
Sept.	30·58	29·10	29·942	2·68	11	60·4	49·0	54·7	72	38	0	N.E.&E.
Oct.	30·72	29·35	29·848	2·43	16	51·8	39·2	45·5	63	31	6	N.W.
Nov.	30·36	28·87	29·802	1·95	13	45·5	35·3	40·4	56	26	12	S E.
Dec.	30·80	29·35	29·953	2·78	20	40·0	31·2	35·6	49	22	20	N.E.
			29·894	23·63	160	Mean 47·05					23	

COMPARATIVE PREVALENCE OF WINDS.

N.	S.	E.	W.	N.E.	N.W.	S.E.	S.W.
28	51	18	62	58	48	54	46 = 365.

The temperature of the year 1849, ($47^{\circ}05$), was nearly a mean of 18 years, being $\frac{7}{10}$ of a degree below that amount. The mean height of the mercurial column was 29.894 inches, being also nearly the mean for York. On the 11th of February the mercury attained the unusual height of 30.829 corrected for temperature and for capillary attraction.

The rain of the year, 23.63 inches, is almost exactly an average quantity.

The following accounts of the amount of rain fallen in the year have been received: viz.,

Settle	..	..	..	..	36.88
Ackworth	..	..	..	..	23.33
Middleton, near Beverley	..	..	..	..	29.61
Huggate	..	..	..	..	29.77
Leeds	..	..	..	..	24.419

Various interesting papers have been read at the usual Monthly Meetings of the Society during the past year, some of which, relating to the Natural History and Antiquities of Yorkshire, may hereafter appear in the Proceedings of the Society.

The money received at the Gate during the year 1849 amounts to £189. 11s. 2d., a sum less than in the previous year by £47. 11s. 9d. When, however, it is recollected, that in the return for 1848 is included the sum of £62. 9s. 6d. paid by visitors during the exhibition in York of the Royal Agricultural Society, and that during the past year, the almost total absence of railway excursion trains, and some other unfavourable circumstances, have combined to lessen this source of the Society's income, the Council cannot but feel convinced that the new regulations adopted respecting the admission of strangers at the beginning of 1849 have been attended with success.

The Swimming Baths have not been quite so productive during the past year, as usual, but after deducting all expenses, (including several which are not of annual occurrence,) the net profit of

the year will nevertheless be found nearly equal to £4 per cent. upon the sum invested in their purchase. It is also satisfactory to state, that although the receipts from this source have been somewhat diminished, owing to the unfavourable weather during the two past seasons, the total receipts, during the five years the baths have been in the possession of the Society, have been equal to an average interest exceeding £5 per cent. upon this investment.

The Council have great pleasure in noticing the success of a Floricultural Exhibition in the Museum Gardens, in the month of July last. For this the Society was indebted chiefly to the friendly feeling and spirited exertions of two of its members, Mr. Roper, and Mr. Backhouse. The Council are induced to hope, that arrangements may, at a future time, be made for similar beautiful and interesting displays.

The ordinary income of the Society, during 1849, has exceeded its ordinary expenditure by £141. 3s. 2d. The *extraordinary* expenses of the year have, however, (after deducting Mr. Read's liberal donation, already noticed), amounted to the sum of £211. 12s. 1d., so that the total expenditure of the Society has exceeded its total receipts this year by £70. 8s. 11d., which sum has been added to the balance due to the Society's bankers at the close of 1848.

Under these circumstances it has been a matter of necessity to exercise the strictest and most watchful economy in every department of the institution; and on this account the Council have, with regret, postponed to a future, but (they trust) not distant day, some very desirable improvements connected with the Observatory, and the addition of instruments to the Meteorological Department, of which the Society has heretofore obtained the use chiefly through the zeal and kindness of the Meteorological Curator.

With a view to offer increased facilities to persons desirous of enjoying the advantages afforded by the Society, the Council have been induced to recommend to this Meeting the adoption of a new Rule, under which parties may hereafter, under the title of "Associates," at the cost of £1 annually, obtain for themselves (only) admission to the Museum and Gardens.

In consequence of friendly overtures the Council have entered upon negotiations with the Corporation, with a view to the absolute purchase of certain portions of the Society's grounds, which are held from year to year under that body, and also of other Corporation property, closely adjacent to the Museum Gardens. Believing that it would be for the interests of the Society to carry out the negotiations which have been commenced, the Council will be prepared, under the sanction of this meeting, to make such arrangements as may be necessary for the purpose.

The Council have now finished their detailed review of the principal events of the year 1849. They repeat their conviction that the retrospect is cheering and gives assurance for the future. On the one hand, great and permanent improvements have been satisfactorily effected, to the completion of which obstacles of no ordinary character had long presented themselves; and on the other, in the formation of the Antiquarian, and Naturalists' Clubs, and the British Natural-History Society, (and their friendly and beneficial alliance with the Yorkshire Philosophical Society,) in the splendid donations received during the past year, and in the increased zeal and activity of many valued members, they feel that an unusual stimulus has been given towards promoting the objects of the Society, which, they trust, leaves no doubt as to the success of its future career.

THE
TREASURER OF THE YORKSHIRE PHILOSOPHICAL SOCIETY,
IN ACCOUNT FOR THE YEAR 1849.

Cr.	INCOME.		EXPENDITURE.	Dr.
1849	£. s. d.		1849.	£. s. d.
Annual Subscriptions and Arrears	562 0 0		Rent to the Crown	£1 0 1
Admission of New Members	90 0 0		Rent to the Corporation	53 8 0
Ladies' Subscriptions and Keys of the Gates	76 15 0		Rates and Taxes	8 13 9
Money received at the Gate.....	189 11 2		Insurance & Water Rates	12 15 0
Rents	117 10 10			75 16 10
Swimming Bath(deducting expenses)	55 7 8		Salaries and Wages:	
Floricultural Exhibition (deducting expenses)	23 18 6		Keeper of the Museum	150 0 0
Donation from William Rudston Read, Esq., towards fitting up the Rudston Collection of British Birds.....	52 10 0		Sub-Curator	100 0 0
			Servants	20 0 0
			Lodgekeeper	20 0 0
			Labourers	152 8 0
			Clerk and Collector....	25 0 0
			Attendant in Hospitium	6 0 0
				473 8 0
			Interest on Debt:	
			Yorkshire Insurance Company	48 10 10
			To Bankers	50 17 0
				99 7 10
			Museum, Gardens, &c.:	
			Painting and General Repairs	127 13 11½
			Purchase and prepara- tion of Specimens	44 8 8½
			Observatory.....	0 10 6
				172 13 2
			Library Books and Binding.....	18 12 0
			Incidental Expences:	
			Printing, Advertising, and Stationery	59 3 0
			Coals and Gas	41 7 11
			Postage, Carriage and Sundries	35 11 3
				136 2 2
			Total Ordinary Expenditure	976 8 0
			Extraordinary Expenses:	
			New Cases	128 17 2
			Garden Alterations	133 4 11
				262 2 1
			Total Expenditure.....	1238 2 1
			Permanent Debt, viz:	
			Yorkshire Insurance Company ....£1000	
			Six Member at £50 each	300
				1300 0 0
			Balance overdrawn Messrs. Swann, Clough, & Co. December 31st, 1849..	1261 2 5
			Total debt December 31st, 1849	2561 2 5
				£3728 15 7
			Permanent Debt, viz:	
			Yorkshire Insurance Company ....£1000	
			Six Member at £50 each	300
				1300 0 0
			Balance overdrawn Messrs. Swann, Clough, & Co. Dec. 31st, 1848.....	1190 13 6
			Total debt, Dec. 31st, 1848	2490 13 6
				£3728 15 7

Audited by me,
Jan. 8th, 1850,
HENRY ROBINSON.

THOMAS MEYNELL, JUNR.,
Treasurer.

MEMBERS

ELECTED SINCE FEB. 1849.

1849.

Joseph Dent, *Ribstone Hall*.John Glaisby, *York*.J. F. Taylor, *York*.Robert Greaves Walker, *York*.T. Basil Woodd, *Thorpe Green, Borobridge*.

1850.

The Hon. P. Dawney, *Beningbrough Hall, York*.William Lawson, *York*.William Kimber, *York*.John Shaftoe, *York*.John Sampson, *York*.Christopher Harker, *York*.John Noble, *York*.Christopher Annakin, *York*.John Watson, *York*.Henry Hope, *York*.John March, *York*.Samuel Lucas, *York*.Ralph Weatherley, *York*.John Kitching, *Retreat, York*.

RESOLUTIONS

PASSED AT THE ANNUAL MEETING, FEB. 6TH, 1849.

1. That His Grace the Duke of Northumberland be requested to become one of the Patrons of the Society.

2. That the Report of the Council be adopted and printed for the use of the Members.

3. That the thanks of the Society be given to the Vice-Presidents and Members of the Council retiring from office, and to the Secretary and Curators for their valuable services.

4. That the Council of the Yorkshire Philosophical Society be empowered to proceed with the negotiations with the Corporation, which have been commenced.

5. That the Vice-Presidents to be appointed at future Meetings be limited to eight.

6. That there be constituted a Class of Associates of the Yorkshire Philosophical Society, with no other privilege than that of Admission for themselves only, to the Museum and Gardens; each such Associate paying in advance a subscription of One Pound, due January the 1st in each year: the mode of election of such Associates to be the same as that of ordinary Members.

7. That the Council be empowered on certain days to be selected by them during the present year, to permit free admission to all persons to the Museum and Gardens, the mode of admission to be regulated by the Council.

8. That the Council be empowered to admit Strangers during the present year, at the usual rates of payment.

9. That the Council be authorized to admit to the Museum and Gardens, as temporary subscribers, any occasional Visitors to York, not residing in the County, at the rate of one pound for four months for themselves and families, but that in no case shall such privilege be granted for a longer period than twelve months.

10. That the Council be empowered to authorize the holding one or more Horticultural Meetings in the Society's grounds during the present year.

COMMUNICATIONS
 TO THE
 MONTHLY MEETINGS,
 1849.

JANUARY.—REV. JOHN KENRICK, M. A.—Observations on the Egyptian Gnostic Amulet, described by Mr. Wellbeloved in a former communication. Vid. Proc. Y. P. S., page 95.

APRIL.—THOMAS ALLIS.—On some Peculiarities in the Sclerotic rings of Birds and Reptiles.

JUNE.—REV. JOHN KENRICK.—On the use of Artesian Wells among the Ancients.

NOVEMBER.—JOHN THURNAM, M. D.—An Account of the Examination by the Antiquarian Club, of some Anglo-Saxon Tumuli on the Wolds.

DECEMBER.—JOHN FORD.—Observations on the Meteorology of York.

DONATIONS TO THE MUSEUM.

1849.

GEOLOGY.

- Club, Yorkshire Naturalists' Fossil Starfish, (*Asterias arenicola*) with only four Rays, from near Pickering, and various Fossils from the Crag of Bridlington.
- Society, British Natural-His- } Large Collection of Tertiary Fossils from
tory } the Isle of Wight and adjacent
Hampshire Cliffs.
- Charlesworth, Edward, Esq. *Pecten cancellatus*, *Bean*, from the Malton Oolite.
- Cholmeley, H. P., Esq.... .. Fossils in Brandsby Slate.
- Clarke, Joseph, Esq., }
(*Cincinnati*) } Silurian Fossils from North America.
- Crompton, the Misses Fine specimen of Cut Agate.
- Davies, Mrs. Robert Two specimens of *Avicula longicostata*.
- Harcourt, Rev. W. V. Specimen of *Euomphalus rugosus*.
- Harcourt, Rev. Chas. V. ... Fossils from North America.
- Higgins, E. T., Esq..... Fossil Fishes from Lyme Regis, (in exchange.)
- Meynell, Thos., junr., Esq. Singular nodule (Beetle-stone) from Tenby.
- Murray, Dr. P. Tooth of *Megalosaurus* from the Malton Oolite (see page 9).
- Pugard, C. (*Copenhagen*)... Series of Fossils from the Faxoe Limestone of Denmark.
- Thornton, Geo., Esq., }
(*Gargraves*) } Fossils from the Carboniferous Limestone of Skipton.
- Thurnam, Dr. R. Fossil Sponge, coated with Sulphuret of Iron.
- Wilkinson, H. J., Esq. Remarkable Fossil of the genus *Cyrtoceras* (?) from a Railway Cutting near Harrogate.

Walker, Rev. William, (<i>Slingsby</i>)	}	Tooth of Polyptichodon, and other Fossils of the Malton Oolite (see p. 9).
Wilson, John, Esq., (<i>De Grey Street, York</i>)		
	}	Wood from the Petrified Forest, near Cairo.

ZOOLOGY.

Club, Yorkshire Naturalists'	Fine mounted specimen of the Pike, taken near York.
Purchased by subscription for presentation to the Museum	} New British Bustard, shot in Lincolnshire, (Otis Mc. Queenii, <i>Gray</i>).
Benson, H. Esq., (<i>Falmouth</i>)	
Bulmer, Mrs. William	} Specimen of <i>Helix revelata</i> , discovered near Falmouth, (in exchange).
	Specimen of the Alice Shad, taken in the Ouse.
Chapman, Mr. Henry	Specimen of the Whistling Swan.
Clarke, Joseph, Esq.	Collection of North American Land and Freshwater Shells.
Cooke, Rev. R. B.	Specimen of the Little Tern (in exchange).
Crawford, Adam, Esq., (<i>Rhodes, North Berwick</i>)	} Collection of Shells from the Pacific Coast.
Crompton, the Misses	
Dixon, Capt. Edw., R. N...	Fine specimen of <i>Conus striatus</i> .
	Specimens of <i>Ianthina</i> , with the ova and soft parts.
Glossop, F. N. H., Esq., (<i>Isleworth</i>)	} Two Specimens of the Glassy Nautilus, (<i>Carinaria</i>).
Grigg, Miss	
Higgins, E. T., Esq.	Skin of a Boa.
	Preparation of a Species of the genus <i>Monacanthus</i> , shewing the insertion of the Dorsal Spine.
Jukes, Miss, (<i>Birmingham</i>)	Specimens of <i>Anatina</i> and <i>Amphidesma</i> from Australia.
Meynell, Thos., junr., Esq...	Group of <i>Saxicava</i> , in Limestone, from Tenby ; several British Shells, new to the Collection, and a large series of Duplicates, including examples of <i>Helix Pisana</i> , <i>Solen vagina</i> , and other local species.

Northampton, Marquis of ...	Fine specimens of British Uniones.
Read, W. R., Esq.	A Yorkshire Specimen of <i>Lestris Buffonii</i> .
Telford, H. Esq.	Supposed Hybrid, between the Black and the Red Grouse.
Westminster, the Very Rev. } the Dean of }	Mass of Chalk, having upon its surface perforations made by the common Limpet.
Wilson, John, Esq., (<i>De Grey Street</i>)..... }	Skin of the Blue Mountain Parrot.

BOTANY.

Higgins, E. T., Esq.	Turnip presenting a singular monstrosity of form.
Yates, James, Esq.	Models of the Flower-bud, and of a scale with fruit of the <i>Encephalartus Caffer</i> , which bore fruit at Chatsworth, 1848.

ANTIQUITIES.

Club, Yorkshire Antiquarian.	Various Weapons, Implements, and Ornaments from an Anglo-Saxon Tumulus, at Driffeld, belonging to Richard Jennings, Esq.
Bayldon, John, Esq.	Five Guinea Piece, Jas. II. Copper Piece, Irish, Geo. I.
Bebb, George, Esq.	Jetton of Venice.
Boyne, Mr. O., <i>Leeds</i>	Ten Romano-Ægyptian Coins, Egyptian Necklace and six small Egyptian Figures.
Hay, Rev. Edwd.	Antique Silver Ring.
Robinson, Henry, Esq.	Medal in Bronze, of Pope Gregory XIII. (slaughter of the Hugues, 1572). Two ancient English Jettons; a York Halfpenny, W. Wood.
Thompson, Rev. John, (<i>Easeby</i>)	} Epitaphs on J. Swale, (see Report, p. 11).

Travis, T. H., Esq.	Coin of Carausius, 2nd brass.
Walker, Rev. William	Four Roman Coins, 3rd brass, from Conisthorpe.
Walker, T. K. L., Esq.....	Penny of Edward, found in Lord Mayor's Walk.
Wellbeloved, Rev. Charles...	Coin of Vespasianus, 2nd brass ; antient English Jetton.
Wood, Mr. W. R. (<i>Man-</i> <i>chester</i>)	} Silver Florin, Victoria.

MISCELLANEOUS.

Dixon, Capt. Edw. R. N....	Some Native African Weapons.
Mayer, Joseph, Esq., (<i>Liverpool</i>).	} Medallions in Old Wedgwood Ware.
Morris, Miss C.	Thames-Tunnel Medal and Copper Token.
Walker, T. K. L., Esq.....	An Old Rapier.

GARDEN.

Gardens, Kew	A Collection of Plants through Sir Wm. Jackson Hooker, and Mr. Smith the Curator.
Gardens, Royal Botanic, Regent's Park	} Forty Plants and Shrubs, through R. Marnock, Esq., the Curator.
Hague, Mrs. B.	A valuable Collection of Seeds, from the Botanic Gardens at Ceylon.
Lindley, Dr.	Sixty Plants.

LIBRARY.

- Association, British, for the }
 advancement of Science... } Report for 1848.
- College, Trinity, Dublin ... Report of the Museum of the College for
 1848.
- Library, Calcutta Public ... Catalogue of the Library.
- Society, Geological of London. Quarterly Journal for 1849.
- Society, Geological and Poly-
 technic of West Riding }
 of Yorkshire } Reports and Proceedings for 1847-8.
- Society, Historic, of Lanca-
 shire and Cheshire } Proceedings and Papers for 1848-9.
- Society, Literary and Philo-
 sophical of Liverpool } Vol. 5 of the Proceedings.
- Society, Literary and Philo-
 sophical of Leeds } Report for 1848.
- Society, of the Friends of }
 Natural Science at Vienna. } Abstracts of Communications made to
 the Society, 4 vols., 8vo, edited by
 Wm. Haidenger.
 Collection of Memoirs relating to Geology
 and other branches of Natural Science,
 2 vols., 4to., with numerous plates,
 ed. Wm. Haidenger.
- Society, Numismatic Proceedings for 1848-9.
- Society, Royal of Edinburgh. Proceedings and Transactions for 1847-9.
 The Makerstown, Magnetical and Meteo-
 rological Observations for 1844-6.
 Edingburgh Astronomical Observations,
 vol. 8, 1842.
- Society, Royal, Cornwall, }
 Polytechnic } Annual Report for 1848.
- Brady Mr. Joseph, }
 (*the Author.*) } Coloured Section of a Railway Cutting
 near Settle.

- Charlesworth, Ed., Esq..... Plates to Schlegel's Work on Serpents.
- Delabeche, Sir H. } Address to the Geological Society of
 (the Author.) } London, February, 1849.
- Denny, Henry, Esq. } A Glance at the Fossil Flora of the
 (the Author.) } Carboniferous Epoch, with especial
 reference to the Yorkshire Coal-Field.
- Halliwell, J. O. Esq. M. S. Rarities of the University of Cam-
 bridge.
 Rara Mathematica.
 Connection of Wales with early Science
 of England.
 Introduction to Midsummer Night's
 Dream.
- Phillips, Rev. G. H. Fine copy of Gerard's Herbal.
- Priestley, Wm., Esq..... A Glossary of North Country Words
 with their Etymology and Affinity to
 other Languages ; and occasional
 Notices of Local Customs and Popu-
 lar Superstitions.—By I. I. Buckett,
 F. S. A. 4 vols.
- Smith, C. R., Esq. Proceedings of the Society of Antiquaries.
- Spence, Wm. Esq. } Anniversary Address to the Entomo-
 (the Author.) } logical Society of London, 1848.
- Watson, Mr. Wm., } Plan of the Town of Market-Weighton.
 (the Author.) }
- Wood, John, Esq. Vols. 1, 2, and 3, of the Journal of the
 Horticultural Society of London.

SERIAL WORKS SUBSCRIBED FOR.

- Gray and Mitchell's Genera of Birds, fol., col. plates, completed.
- Doubleday and Hewitson's Genera of Diurnal Lepidoptera, fol., col.
 plates.
- Sowerby's Thesaurus Conchyliorum, 8vo. col. plates, (10 parts pub-
 lished)
- Waterhouse's Natural History of Mammalia, 8vo., col. plates, (2 vols.
 published).
- Churton's Monastic Ruins of Yorkshire, fol. (6 parts published).
- Fauna Antiqua Sivalensis, or Geology of the Sewalik Hills in the
 North of India, by Dr. Falconer and Major Cautley. (Part 1 to
 9 of Illustrations, large folio, and part 1 of Letterpress, 8vo.)

Forbes and Hanley's British Mollusca, 8vo. col. plates, (24 parts published).

Scientific Memoirs, edited by Richard Taylor, F. S. A., (19 parts published).

PERIODICALS.

London and Edinburgh Philosophical Magazine, monthly.

Annals and Magazine of Natural History, monthly.

The Phytologist, monthly.

London Geological Journal, (3 parts published).

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13 MAR 1889

